

Airport Capital Improvement Plan (2014-2024)

City of Greenville

Greenville Municipal Airport

December 2, 2013

6D6

| MICHIGAN STATE BLOCK GRANT PROGRAM AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2014 to FY-2024 | | | | | | | | | | | |
|--|-------------------------------------|--|----------------|--|-------------------------|--------------------------|--------------------------|----------|----------|-----------|--|
| Airport Name: Greenville Muncipal Airport | | Airport Identifier: 6D6 | | Date prepared: 12/2/2013 | | | | | | | |
| Associated City: Greenville, Michigan | | Prepared By: City of Greenville/Prein&Newhof | | | | | | | | | |
| Sponsor: City of Greenville | | NPIAS Airport Code**: C | | Sponsor contact info: gbosanic@greenville.org | | | | | | | |
| Development Year | Project Description | On ALP*? (Y or N) | ACIP** Code | NPIAS** Priority Rating | Federal Entitlements | Federal Apportionment | Federal Discretionary | State | Local | Total | Remarks/Item Justification |
| | | | | Carryover | \$318,712 | | | | | | |
| 2014 | Snow Removal Equipment | n.a. | ST-EQ-SN | 47 | \$144,000 | | | \$8,000 | \$8,000 | \$160,000 | Greenville does not have any SRE equipment specifically dedicated to the airport. They intend to pursue a multi-function SRE vehicle with attachments. |
| | | | | Carryover | \$324,712 | | | | | | |
| 2015 | User Survey Consultant Coordination | n.a. | PL-PL-MA | 66 | | | | | \$15,000 | | Complete a user study in order to determine critical aircraft and associated requirements for airport development. May be reimbursable pending MDOT Aero determination of User Survey results. |
| 2015 | Airfield Cracksealing | Yes | RE-RW-IM | 66 | \$13,500 | | | \$750 | \$750 | \$15,000 | Airfield maintenance to extend pavement useful life. |
| 2015 | Airfield Paint Marking | Yes | RE-RW-IM | 66 | \$33,300 | | | \$1,850 | \$1,850 | \$37,000 | Remarking of pavements for safe/visible airfield markings |
| | | | | Carryover | \$427,912 | | | | | | |
| 2016 | Feasibility Study & Site Selection | n.a. | PL-PL-MA | 66 | \$90,000 | | | \$5,000 | \$5,000 | \$100,000 | Depending on the User Survey results, the sponsor would like to study the feasibility of how to best meet development needs of the airport. Analysis of accomodating development at the existing airport as well a possible relocation of the airport will be evaluated. Relocation is being considered due to advantages for the sponsor, local residents, airport users and the community in general. Existing airport has limited development potential. The primary runway at the current airport has an east-west orientation and expansion is limited by a state highway on one side and a protective species habitat on the other. The current airport is outside city limits and surrounded by residential housing. Public water and sewer are not available. Future development at the existing location may not be economically or socially advantageous to the sponsor. |
| | | | | Carryover | \$487,912 | | | | | | |
| 2017 | Update Airport Master Plan | n.a. | PL-PL-MA | 66 | \$180,000 | | | \$10,000 | \$10,000 | \$200,000 | Update Airport Master Plan based on the Feasibility Study. Scope would include an AGIS Survey per 5300-18B due to new instrument approaches. |
| | | | | Carryover | \$457,912 | | | | | | |
| 2018 | Easement Acquisition | yes | ST-LA-SZ | 44 | \$144,000 | | | \$8,000 | \$8,000 | \$160,000 | Avigation easements for Runway 10/28 approach procedures (LPV). (If airport remains at current site) |

| Development Year | Project Description | On ALP*? (Y or N) | ACIP** Code | NPIAS** Priority Rating | Federal Entitlements | Federal Apportionment | Federal Discretionary | State | Local | Total | Remarks/Item Justification |
|------------------|---------------------------|-------------------|-------------|-------------------------|----------------------|-----------------------|-----------------------|----------------|----------------|------------------|---|
| | Airfield Cracksealing | Yes | RE-RW-IM | 66 | \$13,500 | | | \$750 | \$750 | \$15,000 | Airfield maintenance to extend pavement useful life. |
| | Airfield Paint Marking | Yes | RE-RW-IM | 66 | \$33,300 | | | \$1,850 | \$1,850 | \$37,000 | Remarking of pavements for safe/visible airfield markings |
| | Total 2018 = | | | | <i>\$190,800</i> | | | \$8,000 | \$8,000 | \$160,000 | |
| | | | | <i>Carryover</i> | <i>\$417,112</i> | | | | | | |
| 2019 | Environmental Assessment | n.a. | EN-PL-MA | 66 | \$49,500 | | | \$2,750 | \$2,750 | \$55,000 | Assessment for projects resulting from ALP update and feasibility study. |
| | | | | <i>Carryover</i> | <i>\$517,612</i> | | | | | | |
| 2020 | Replace Existing T-Hangar | yes | ST-BD-MS | 32 | \$263,700 | | | \$14,650 | \$14,650 | \$293,000 | One of the existing multi-unit hangars is 30 or more years old and is deteriorating. |
| | | | | <i>Carryover</i> | <i>\$403,912</i> | | | | | | |
| 2021 | Obstruction Removal | yes | SA-OT-OB | 93 | \$130,500 | | | \$7,250 | \$7,250 | \$145,000 | Runway 10/28 LPV approach obstruction removal (lower minimum). See attached estimate. |
| | | | | <i>Carryover</i> | <i>\$423,412</i> | | | | | | |
| 2022 | Taxiway Rehabilitation | yes | RE-TW-IM | 66 | \$271,800 | \$0 | | \$15,100 | \$15,100 | \$302,000 | Rehabilitate 20 year old pavement |
| | | | | <i>Carryover</i> | <i>\$301,612</i> | | | | | | |
| 2023 | Land Acquisition | yes | ST-LA-SZ | 44 | \$54,000 | | | \$3,000 | \$3,000 | \$60,000 | Runway 36 RPZ |
| | Airfield Cracksealing | Yes | RE-RW-IM | 66 | \$13,500 | | | \$750 | \$750 | \$15,000 | Airfield maintenance to extend pavement useful life. |
| | Airfield Paint Marking | Yes | RE-RW-IM | 66 | \$33,300 | | | \$1,850 | \$1,850 | \$37,000 | Remarking of pavements for safe/visible airfield markings |
| | Total 2023 = | | | | <i>\$100,800</i> | | | \$3,000 | \$3,000 | \$60,000 | |
| | | | | <i>Carryover</i> | <i>\$350,812</i> | | | | | | |
| 2024 | Land Acquisition | yes | ST-LA-SZ | 44 | \$142,200 | | | \$7,900 | \$7,900 | \$158,000 | Runway 18 RPZ |
| | | | | <i>Carryover</i> | <i>\$358,612</i> | | | | | | |
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*Proposed airport development must be shown on current FAA-approved ALP prior to funding project.

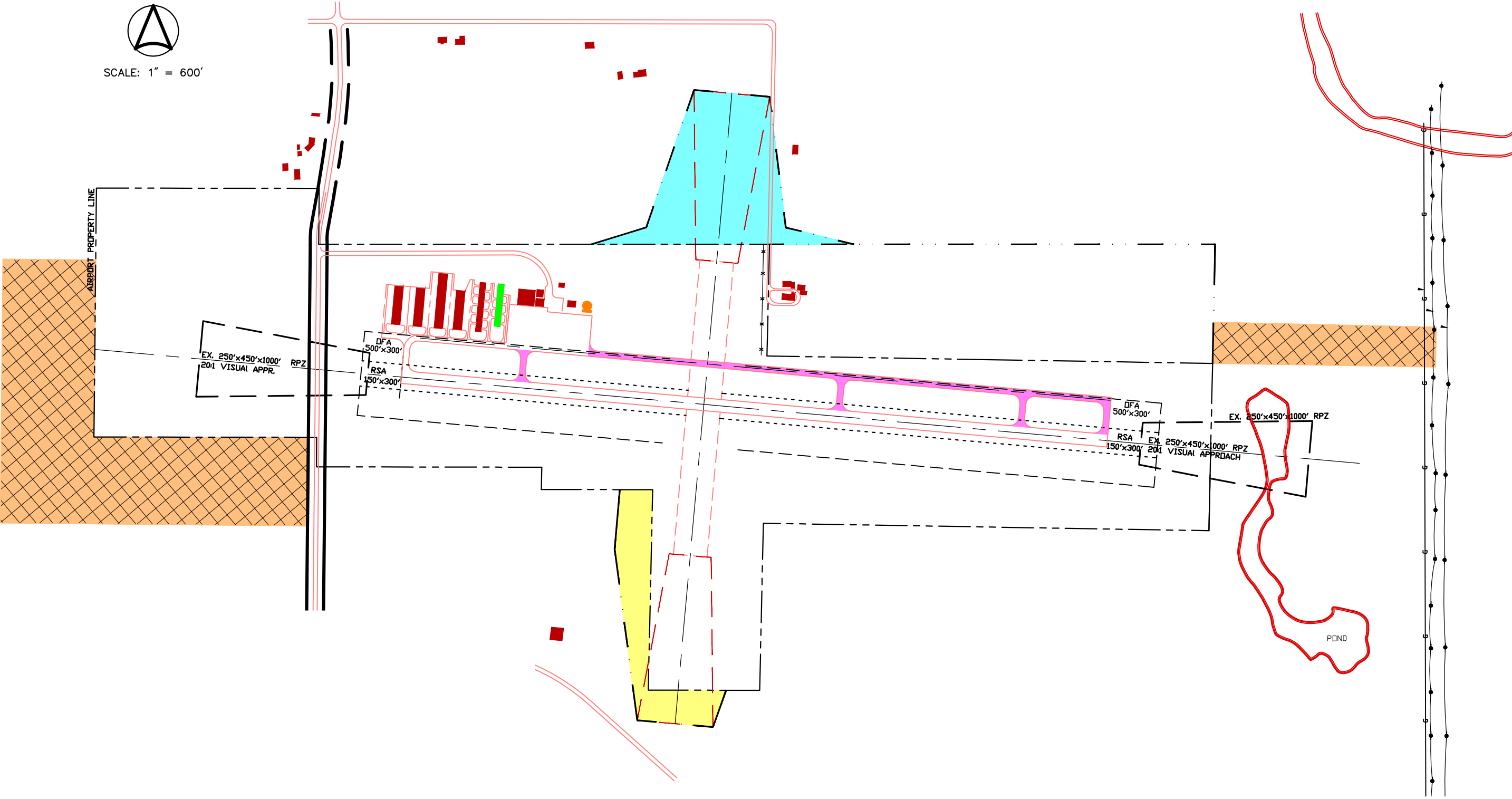
**In accordance with FAA Order 5100.39A, Appendix 6 - Fields should be completed
(Refer to Airport Code spreadsheet provided on MDOT Aeronautics website under Block Grant Program for specific airport code)

T:\BLOCKS\AVIATION\CLIENTS\GREENVILLE\GREENVILLE AIRPORT ACIP_2013_07_24.DWG -- J.VANDUJINEN -- Aug. 07 2013 -- 01:38pm -- Prein&Newhof

North



SCALE: 1" = 600'



LEGEND

| | |
|--|-----------------------------|
| | 2018 EASEMENT ACQUISITION |
| | 2020 T-HANGAR CONSTRUCTION |
| | 2022 TAXIWAY REHABILITATION |
| | 2024 LAND ACQUISITION |

GREENVILLE MUNICIPAL AIRPORT
GREENVILLE, MICHIGAN
2014–2024 ACIP PROGRAM

Prein&Newhof

AUGUST 2013

Estimate of Probable Cost

Project Title:

Remark Pavements

Owner:

Greenville Municipal Airport

Development Year:

2015(3)

Date:

December 2, 2013

Project #:

ACIP 2014

| Item No. | Description | Quantity | Unit | Unit Price | Total Amount |
|------------------------|--------------------------|----------|-------------|------------|--------------------|
| 1 | Mobilization | 1 | Lump Sum | \$2,000.00 | \$2,000.00 |
| 2 | Safety & Security | 1 | Lump Sum | \$500.00 | \$500.00 |
| 3 | Remark Runway | 38,000 | Square Feet | \$0.30 | \$11,400.00 |
| 4 | Remark Taxiway and Apron | 32000 | Square Feet | \$0.30 | \$9,600.00 |
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| 6 | | | | | |
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| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| Construction Estimate: | | | | | \$23,500.00 |

Fed. \$33,300.00

State \$1,850.00

Local \$1,850.00

Design & CA Engineering: \$8,000.00

Administration: \$500.00

Contingency: \$5,000.00

Total Estimate: \$37,000.00

MICHIGAN DEPARTMENT OF TRANSPORTATION
Bureau of Aeronautics - Airports Division

2015 Cost Estimate

Airport: Greenville Municipal Airport

Development Item: Easement Acquisitions

Prepared By: Prein&Newhof

| Work Item Description | Estimated Quantity | Unit | Estimated Unit Price | Amount |
|-----------------------|--------------------|------|----------------------|----------|
| Parcel 008-028-023-00 | 1 | LSUM | \$10,000 | \$10,000 |
| Parcel 008-028-023-20 | 1 | LSUM | \$10,000 | \$10,000 |
| Parcel 008-028-025-00 | 1 | LSUM | \$10,000 | \$10,000 |
| Parcel 008-027-001-10 | 1 | LSUM | \$10,000 | \$10,000 |
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Construction Total = \$40,000

Land Consultant = \$20,000

Total = \$60,000

*Unit Prices based on F.Y. 2012 dollars

MICHIGAN DEPARTMENT OF TRANSPORTATION
Bureau of Aeronautics - Airports Division

2017 Cost Estimate

Airport: Greenville Municipal Airport

Development Item: Tee Hangar Replacement

Prepared By: Prein&Newhof

| Work Item Description | Estimated Quantity | Unit | Estimated Unit Price | Amount |
|-----------------------------|--------------------|------|----------------------|-----------|
| Pre-Manufactured Tee Hangar | 12,000 | SFT | \$15 | \$180,000 |
| Concrete Floor | 12,000 | SFT | \$5 | \$60,000 |
| Unclassified Excavation | 400 | CYD | \$5 | \$2,000 |
| Subbase | 200 | CYD | \$15 | \$3,000 |
| Aggregate Base | 100 | CYD | \$30 | \$3,000 |
| Bituminous Pavement | 50 | TON | \$120 | \$6,000 |
| Restoration | 1 | LSUM | \$1,000 | \$1,000 |
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Construction Total = \$255,000
Engineering = \$38,000
Total = \$293,000

*Unit Prices based on F.Y. 2012 dollars

MICHIGAN DEPARTMENT OF TRANSPORTATION
Bureau of Aeronautics - Airports Division

2018 Cost Estimate

Airport: Greenville Municipal Airport

Development Item: Obstruction Removal

Prepared By: Prein&Newhof

| Work Item Description | Estimated Quantity | Unit | Estimated Unit Price | Amount |
|---------------------------------|--------------------|------|----------------------|----------|
| Clearing and Grubbing | 42 | ACRE | \$2,000 | \$84,000 |
| Turfing with Standard Mixture B | 42 | ACRE | \$500 | \$21,000 |
| Plain Mulch | 42 | ACRE | \$500 | \$21,000 |
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Construction Total = \$126,000

Engineering = \$19,000

Total = \$145,000

*Unit Prices based on F.Y. 2012 dollars

MICHIGAN DEPARTMENT OF TRANSPORTATION
Bureau of Aeronautics - Airports Division

2019 Cost Estimate

Airport: Greenville Municipal Airport

Development Item: Taxiway Rehabilitation

Prepared By: Prein&Newhof

| Work Item Description | Estimated Quantity | Unit | Estimated Unit Price | Amount |
|---|--------------------|------|----------------------|-----------|
| Mobilization and General Conditions | 1 | LSUM | \$25,000 | \$25,000 |
| Pulverize Bituminous Pavement, Less Than 6" Thickness | 15,500 | SYD | \$1.00 | \$15,500 |
| Fine Grade & Compact Aggregate Base Course/Pulverized Bituminous Pavement | 15,500 | SYD | \$1.00 | \$15,500 |
| Bituminous Aggregate Surface Course, 20AAX Composition | 2,700 | TON | \$70.00 | \$189,000 |
| Marking Airport Pavement, Solid, White, With Reflective Beads | 12,000 | SFT | \$0.25 | \$3,000 |
| Marking Airport Pavement, Solid, Yellow, With Reflective Beads | 12,000 | SFT | \$0.25 | \$3,000 |
| Turfing with Standard Mixture B | 1 | ACRE | \$1,000 | \$1,000 |
| Topsoiling From Off-Site, Material Furnish | 500 | CYD | \$20 | \$10,000 |
| Wood Fiber Mulch | 1 | ACRE | \$1,000 | \$1,000 |
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Construction Total = \$263,000
Engineering = \$39,000
Total = \$302,000

*Unit Prices based on F.Y. 2012 dollars

MICHIGAN DEPARTMENT OF TRANSPORTATION
Bureau of Aeronautics - Airports Division

2020 Cost Estimate

Airport: Greenville Municipal Airport

Development Item: Land Acquisition

Prepared By: Prein&Newhof

| Work Item Description | Estimated Quantity | Unit | Estimated Unit Price | Amount |
|-----------------------|--------------------|------|----------------------|----------|
| Parcel 008-028-036-00 | 1 | LSUM | \$50,000 | \$50,000 |
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Construction Total = \$50,000

Land Consultant = \$10,000

Total = \$60,000

*Unit Prices based on F.Y. 2012 dollars

MICHIGAN DEPARTMENT OF TRANSPORTATION
Bureau of Aeronautics - Airports Division

2020 Cost Estimate

Airport: Greenville Municipal Airport
Development Item: Crack Sealing and Pavement Marking
Prepared By: Prein&Newhof

| Work Item Description | Estimated Quantity | Unit | Estimated Unit Price | Amount |
|--|--------------------|------|----------------------|----------|
| Joint and Crack Sealing, as Specified | 30,000 | LFT | \$1.50 | \$45,000 |
| Remarking Airport Pavement, Solid, White, With Reflective Beads | 28,700 | SFT | \$0.25 | \$7,175 |
| Remarking Airport Pavement, Solid, Yellow, With Reflective Beads | 19,500 | SFT | \$0.25 | \$4,875 |
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Construction Total = \$57,050
Engineering = \$5,950
Total = \$63,000

*Unit Prices based on F.Y. 2012 dollars

MICHIGAN DEPARTMENT OF TRANSPORTATION
Bureau of Aeronautics - Airports Division

2021 Cost Estimate

Airport: Greenville Municipal Airport

Development Item: Land Acquisition

Prepared By: Prein&Newhof

| Work Item Description | Estimated Quantity | Unit | Estimated Unit Price | Amount |
|-----------------------|--------------------|------|----------------------|----------|
| Parcel 008-028-001-11 | 1 | LSUM | \$50,000 | \$50,000 |
| Parcel 008-028-001-20 | 1 | LSUM | \$50,000 | \$50,000 |
| Parcel 008-028-001-01 | 1 | LSUM | \$15,000 | \$15,000 |
| Parcel 008-027-001-10 | 1 | LSUM | \$15,000 | \$15,000 |
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Construction Total = \$130,000

Land Consultant = \$28,000

Total = \$158,000

*Unit Prices based on F.Y. 2012 dollars